Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Previously Presented)   A method of controlling a queue buffer arranged to queue data units received over a communication network, comprising:

invoking a congestion notification procedure under a predetermined condition, wherein said congestion notification procedure comprises

determining whether one or more queued data units contain a predetermined congestion notification prevention information,

performing a congestion notification with respect to the one or more queued data units if no queued data units contain said predetermined congestion notification prevention information, and

preventing a performance of a congestion notification at least with respect to the one or more queued data units containing said predetermined information and belonging to a same flow as said queued data units.

2. (Original)   The method of claim 1, wherein said performing of said congestion notification with respect to a given data unit comprises one of dropping said given data unit and marking said given data unit with a congestion notifier.

3. (Previously Presented)   The method of claim 1, wherein if the one or more queued data units contain said predetermined information, performance of congestion notification with respect to any queued data units is prevented.

4. (Canceled)

5. (Previously Presented)   A method of controlling a data unit sender for sending data units over a communication network, comprising:

determining whether a flow of data units is[:] either application limited, coming to an end or one or more data units of the flow of data units fulfills a congestion notification prevention condition, and

if the flow of data units is application limited, the flow is ending or said one or more data units of said flow fulfills said congestion notification prevention condition, setting the predetermined congestion notification prevention information in at least said one or more data units of said flow.

6.   (Previously Presented)   The method according to claim 5, wherein said step of determining whether a congestion notification prevention condition is fulfilled comprises a step of analyzing higher layer information.

7.   (Previously Presented)   The method of claim 5, wherein said congestion notification prevention condition comprises an indication that the flow of data units is coming to an end.

8.   (Previously Presented)   The method of claim 5, wherein said congestion notification prevention condition comprises an indication that the flow of data units is application limited.

9.   (Previously Presented)   The method of claim 5, wherein said congestion notification prevention condition comprises an indication that said one or more data units of said flow carry predetermined signaling identifiers.

10.   (Previously Presented)   The method of claim 5, wherein said data unit sender is part of a proxy server.

11.   (Previously Presented)   The method of claim 10, wherein said proxy server is connected to a mobile communication network and arranged for receiving data units from a sending end point outside of said mobile communication network and

relaying said data units to a receiving end point connected to said mobile communication network.

12. (Previously Presented)   The method of claim 5, wherein said predetermined congestion notification prevention information is a single bit.

13. (Previously Presented)   The method of claim 5, wherein said predetermined congestion notification prevention information is a data unit count-down value that counts down the number of data units remaining in the flow.

14. (Previously Presented)   A queue buffer controller for controlling a queue buffer arranged to queue data units received over a communication network, comprising:

a congestion notifier for invoking a congestion notification procedure under a predetermined condition, wherein said congestion notifier comprises

means for determining whether one or more queued data units contains a predetermined congestion notification prevention information,

means for performing a congestion notification with respect to one or more queued data units if no queued data units contain said predetermined congestion notification prevention information, and

means for preventing a performance of a congestion notification at least with respect to the one or more queued data units containing said predetermined information if the one or more queued data units belonging to the same flow contain said predetermined information.

15. (Previously Presented)   The queue buffer controller of claim 14, wherein said means for determining whether one or more of said queued data units contains said predetermined congestion notification prevention information is arranged to prevent performance of congestion notification with respect to any queued data units if the one or more queued data units contain said predetermined information.

16.   (Canceled)

17.   (Previously Presented)   A controller for controlling a data unit sender
for sending data units over a communication network, comprising:

an element for determining whether one or more data units of a flow of data units
fulfills a congestion notification prevention condition, and if so,

the element setting predetermined congestion notification prevention information
at least in one or more data units of said flow.

18.   (Previously Presented)   The controller according to claim 17, wherein
said element for determining whether a congestion notification prevention condition is
fulfilled, further comprises an element for analyzing higher layer information.

19.   (Previously Presented)   The controller of claim 17, wherein said
congestion notification prevention condition comprises an indication that the flow is
coming to an end.

20.   (Previously Presented)   The controller of claim 17, wherein said
congestion notification prevention condition comprises an indication that said flow is
application limited.

21.   (Previously Presented)   The controller of claim 17, wherein said
congestion notification prevention condition comprises an indication that said one or
more data units of said flow carry predetermined signaling identifiers.

22.   (Previously Presented)   The controller of claim 17, wherein said data
unit sender is part of a proxy server.

23.   (Previously Presented)   The controller of claim 22, wherein said proxy server is connected to a mobile communication network and arranged for receiving data units from a sending end point outside of said mobile communication network and relaying said data units to a receiving end point connected to said mobile communication network.

24.   (Previously Presented)   The controller of claim 17, wherein said predetermined congestion notification prevention information is a single bit.

25.   (Previously Presented)   The controller of claim 17, wherein said predetermined congestion notification prevention information is a data unit count-down value that counts down the number of data units remaining in the flow.